

CZECHOSLOVAKIA

FREJVALD, M; JAKES, P.

Geological Institute CSAV (Geologicky ustav CSAV), Prague (for both)

Prague, Casopis pro mineralogii a geologii, No 1, 1964, pp 93-94

"Report on the Structural Relationship of the Tabor Syenite and the Moldanubicum."

CZECHOSLOVAKIA

PAJST, M; FREJVALD, M.

Natural Sciences Faculty of Charles University (Prirodovedcka
fakulta Karlovy univerzity), Prague (for both)

Prague, Canopus pro mineralogii a geologii, No 1, 1964, pp 99-
101

"The Vir-Bystrice Fault on the South-Eastern Margin of the Svitka
Anticline."

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413620003-2"

Organization of maternity centers and their role in the prevention
of hypotrophy in children. Zdravookhranenie 5 no.3:52-53
My-Je '62. (MIRA 16:1)

1. Iz sel'skogo vrachebnogo uchastka Teleshovo Orgeyevskogo
rayona.

(INFANTS--NUTRITION)

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413620003-2

FREL, Jiri, doc., dr.

Bibliography of the writings of Antonin Salac. Vestnik CSAV 70
no.1:123-125 '61.

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413620003-2"

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413620003-2

FRELEK, M.

"Maps for village planning", p. 217, (PRZEGLAD GEODEZYJNY, Vol. 9, No. 8, August, 1953, Warszawa, Poland)

SO: Monthly List of East European Accessions, L.C., Vol. 3, No. 4, April, 1954

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413620003-2"

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413620003-2

FRELEK, M.

FRELEK, M., Geodetic net for surveying state farms. p. 127.

Vol. 11, no. 6, June 1955, Warszawa, Poland

SCIENCE

SO: Monthly List of East European Accessions (EEAL), LC, Vol. 5, No. 2 Feb. 1956

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413620003-2"

FRELEK, M.

Plane-table surveying of settlements in the USSR. p. 339.
PRZEGŁAD GEODEZYJNY. Warszawa. Vol. 11, no. 10, Oct. 1955

SOURCE: East European Accessions List (EEAL), LC, Vol. 5, no. 3, March 1956

FRELEK, Zbigniew

Chromatographical and histochemical studies on metallic elements in
the liver. Ann. Univ., Lublin sect.D 16:109-117 '61.

1. Z Katedry i Zakladu Histologii i Embriologii Wydzialu Lekarskiego
Akademii Medycznej w Lublinie Kierownik: prof. dr med. Stanislaw
Grzycki.

(LIVER) (CALCIUM) (MANGANESE) (POTASSIUM)
 (IRON) (ZINC)

Category: Poland/Analytical Chemistry - Analysis of organic substances.

G-3

Abs Jour: Referat Zhur-Khimiiya, No 9, 1957, 31061

Author : Waksmundzki Andrzej, Oscik Jaroslaw, Frelek Zbigniew
Inst : M. Curie-Sklodowska University

Title : Paper Chromatography of Nitrotoluidines. I. Separation and Identification of Isomeric Mononitro-Derivatives of p-Toluidine.

Orig Pub: Ann. Univ. M. Curie-Sklodowska, 1954 (1956), AA9, No 1-9, 83-89

Abstract: On strips (23 x 8.5 cm) of No 3 Whatman paper are placed 5-10 μ of the substance under study, in the form of a 0.5% solution in C₆H₆, at a distance of 3.5 cm from the bottom edge. Chromatography is carried out using n-hexane as the solvent (duration of chromatography is of about 90 minutes). On using paper of usual moisture content long tails are formed. Best results are obtained with paper having a moisture coefficient (ratio of weight of moist and dry paper) of 1.48-1.51. R_f are obtained for 3-nitro-o-nitrotoluidine (0.90), 4-nitro-o-toluidine (0.46),

Card : 1/2

-7-

Frelek, Z.

POLAND/Analytical Chemistry. Organic Analysis.

E

Abs Jour: Ref. Zhur-Khimiya, No 12, 1958, 39429.

Author : Wasmundzsky, Ostsik, Frelek.

Inst : Univ. M. Curie-Sklodowska.

Title : The Paper Chromatography of Nitrotoluidines. II.
The Separation and Identification of Isomeric Mono-nitroderivatives of p-Toluidine.

Orig Pub: Ann. Univ. M. Curie-Sklodowska, 1955, (1957), AA10, 17-24.

Abstract: It is possible to separate 2-nitro-p-toluidine (I) (Rf 0.5) and 3-nitro-p-toluidine (II) (Rf 0.78) on Whatman paper No. 3 with a moisture coefficient from 1.48-1.51, using n-C₆H₆ (III) saturated with water to develop the chromatogram. Under those conditions, 4-nitro-o-toluidine (IV) (Rf 0.46) is not separated from (I). For the separation of all six

Card : 1/2

68

GAWEKI, Kazimierz, prof. dr; FELICK, Aleksander; JONKOWSKA, Teresa

Use of dried sugar-beet pulps with added residue of distilled molasses in feeding ruminants. Zeszyt probi post nauk roln. no.41:121-126 '63.

1. Katedra żywienia zwierząt, Wyższa Szkoła Rolnicza, Poznań.
Kierownik: prof. k. Gawecki.

Gawecki, Kazimierz, prof. dr; Frelich, Aleksandra

Best protein level in feeding sheep. Zeszyt probi post nauk
roln no.41:133-140 '63.

1. Katedra Zwierzenia Zwierząt, Wyższa Szkoła Rolnicza, Poznań.
Kierownik: prof. dr K. Gawecki.

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413620003-2

FRELIF, Marijan, inz.

Coazial cable Ljubljana-Trieste and its connection with
Slovensko Primorje. PTT zbor 16 no.4:88-90 Ap '62.

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413620003-2"

FRELIH, M.

The initiation of modern high-frequency transmission systems into the
MK 104 Zagreb-Austria international cable. p. 23.
(Telekomunikacije, Vol. 5, no. 4, October 1956. Beograd, Yugoslavia)

SO: Monthly List of East European Accessions. (EEAL) LC. Vol. 6, No. 7,
July 1957. Unclassified.

ROKHLENKO, D.Ya., FRELZL', P.P. (Moskva)

Decreasing the harmful effects of operating the 2KMP pneumatic hammer. Gig.truda i prof.zab 2 no.3:55-56 My-Je '58 (MIRA 11:6)
(VIBRATION--PHYSIOLOGICAL EFFECT)
(PNEUMATIC TOOLS--HYGIENIC ASPECTS)

L 24409-66 EWT(1)/EWA(h)/ETC(m)-6 WW

ACC NR: AP6006369

SOURCE CODE: UR/0413/66/000/002/0100/0100

AUTHORS: Chernoval, V. S.; Shcherba, N. U.; Frelin, N. V.; Dashevskiy, L. N.;
Kolyada, I. A.; Gudrit, Ye. R.; Fediv, V. A.; Ivanovskiy, E. N.; Mazur, P. A.;
Yaskevich, L. Ye.

ORG: none

TITLE: Streamline flow meter. Class 42, No. 178125 [announced by Gas Institute,
AN UkrSSR (Institut gaza AN UkrSSR)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 2, 1966, 100

TOPIC TAGS: flow meter, streamline flow

ABSTRACT: This Author Certificate presents a streamline flow meter containing a sensing element in the form of a pivoted vane and jet rectifiers mounted in front of and behind the vane (see Fig. 1). To decrease vibrations, the pivoted vane has a bend in the side opposite the flow direction. A plate whose center of gravity is displaced toward the free end of the vane is hinged to the vane. There is also a bypass tube connecting the front and back of the vane.

Card 1/2

UDC: 532.574.27

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413620003-2

L 24409-66
ACC NR: AP6006369

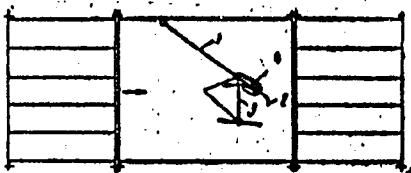


Fig. 1. 1 - pivoted vane;
2 - bend of vane; 3 - plate;
4 - bypass tube.

Orig. art. has: 1 diagram.

SUB CODE: 14/

SUBM DATE: 12Feb65

Card 2/2 do

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413620003-2"

FREMD, G. M.

"Petrochemical Peculiarities of Some Ultrabasic and Basic Rocks of Kuznets Alatau," Tr. Tomskogo uni-ta, 124, 245-252, 1953

The Seglebir and Viktor'yev gabbro periodotite and Patyn gabbro massifs are disposed in the southwestern part of Kuznets Alatau (Gornaya Shoriya). The first massif, located in the basin of the Kondoma River, and having a elongated shape, tends in a southwestern direction in conformance with the structure of the enclosing rocks. It is complicated with gabbro rocks, which, in the central part, are ruptured by several blocks of hyperbasites. The second massif (Viktor'yev massif) is situated 60 km to the southeast of the first (Seglebir) massif.

RZhGeol, No 1, 1955

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413620003-2

FHEMD, G.M.

Occurrence of contamination and hybridism in Odzha plutonic rocks.
Izv.AM Kazakh.SSR.Ser.geol. no.19:141-145 '55. (MLRA 9:8)
(Odzha Valley--Rocks, Igneous)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413620003-2"

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413620003-2

RUSAKOV, M.P.; FRIED, G.M.

Lower Permian volcanoes and their necks in the southwestern
part of the Dzungarian Ala-Tau. Izv.AN Kazakh.SSR.Ser.geol.
no.3:3-15 '58. (MIRA 12:1)
(Dzungarian Ala-Tau--Volcanoes)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413620003-2"

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413620003-2

RUSAKOV, M.P.; FREMD, G.M.

*Genesis, composition, localization, and mineralization of secondary
quartzites. Uch.zap.Kazakh.un. 37 no.4:61-81 '58. (MIRA 15:4)
(Kazakhstan--Quartzite)*

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413620003-2"

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413620003-2

RUSAKOV, N.P.; FREMD, G.M.

New Permian volcano (neck) in the Latu-Tau of the Dzungarian
Ala-Tau. Izv.AN Kazakh.SSR.Ser.geol. no.3:113-115 '60.
(MIRA 13:11)
(Dzungarian Ala-Tau--Volcanoes)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413620003-2"

FREMD, G.M.

Morphological types of ignimbrites and tuff lavas in southern Kazakhstan. Trudy Lab. vulk no.20:177-187 '61. (MIRA 14:11)

1. Kazakhskiy gosudarstvennyy universitet.
(Kazakhstan--Volcanic ash, tuff, etc.)

FREMD, G.M.

Importance of actualism for solving certain problems in
paleovolcanism. Trudy Lab. paleovulk. Kazakh. gos. un.
no. 56:5-11 '63. (MIRA 16:6)

1. Laboratoriya paleovulkanologii Kazakhskogo gosudarst-
vennogo universiteta im. Kirova.
(Volcanoes)

FREMD, G.M.

History of the Upper Paleozoic volcanism in southern
Dzungaria. Trudy Lab. paleovulk. Kazakh. gos. un. no. 56:
86-110 '63. (MIRA 16:6)

1. Laboratoriya paleovulkanologii Kazakhskogo gosudarstvennogo
universiteta im. Kirova.
(Dzungaria—Volcanoes)

FREMD, G.M.

Concerning M.A. Kashkai and A.I. Mamedov's monograph "Perlites, obsidians, pitchstones and their mineralopetrographic and physicochemical features." Trudy Lab. paleovulk. Kazakh. gos. un. no.56:235-237 '63. (MIRA 16:6)

(Perlite(Mineral)) (Obsidian) (Pitchstone)

KUDENKO, A.A.; FREMD, G.M.

New type of berillium mineralization associated with volcanic
sediments. Trudy Lab. paleovulk. Kazakh. gos. un. no.56:
237-239 '63. (MIRA 16:6)

(Juab County(Utah)--Berillium)

FREMD, G.M.; KAMENSKIY, A.S.

Upper Paleozoic stratovolcanoes in southern Dzungaria. Trudy
lab. paleovulk. Kazakh. gos. un. no. 56:157-166 '63.
(MIRA 16:6)

1. Laboratoriya paleovulkanologii Kazakhskogo gosudarstvennogo
universiteta.

(Dzungaria--Volcanoes)

FREMD, G.M.; ISAYEVA, M.D.

Mineral facies, metasomatic zoning, and the genesis of secondary
quartzites and propylites in southern Dzungaria. Trudy Lab. paleo-
vulk. Kazakh. gos. un. no.2:156-170 '63.

1. Kazakhskiy institut mineral'nogo syr'ya.

(MIRA 17:11)

KLYAROVSKIY, V.M.; FREMD, G.M.

Absolute age of Upper Paleozoic and Mesozoic volcanic rocks in
Southern Dzungaria. Trudy Lab. paleovulk. Kazakh. gos. un. no.2:
190-199 '63. (MIRA 17:11)

1. Institut geologii i geofiziki Sibirskogo otdeleniya AN SSSR.

FREMD, G.M.

Facies variations of volcanic formations and the problem of
cyclicity. Trudy Lab. paleovulk. Kazakh. gos. un. no.2:13-21
'63. (MIRA 17:11)

1. Kazakhskiy institut mineral'nogo syr'ya.

FREMD, G.M.; ISAYEVA, M.D.

The role of ignimbrites in the volcanism of Hungary. Trudy Lab.
paleovulk. Kazakh. gos. un. no.2:233-238 '63.

(MIRA 17:11)

i. Kazakhskiy institut mineral'nogo syr'ya.

80945

3.9300

S/049/60/000/02/016/022
E131/E459AUTHOR: Fremd, V.M.TITLE: An Application of Multi-Step Lowering of a Seismograph's Sensitivity

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya geofizicheskaya, 1960, Nr 2, pp 323-325 (USSR)

ABSTRACT: The method described is based on the electric shunt which is part of the lamp circuit. Such a shunt (Fig 1) diminishes the contact between the seismograph and the galvanometer and lowers the sensitivity of the output without affecting the components ϵ_1 and ϵ_2 . The coefficient of lowering of the sensitivity β was determined for various types of seismographs from Eq (1) and (2), where A_{0PH} is the displacement of the pendulum coil in a uniform magnetic field and A_m is the displacement of the pendulum coil in relation to β corresponding to variations of the light pencil, y_m is the maximum amplitude at the commencement of a visible recording ($y_m \approx 70$ mm), V is the maximum magnification of the apparatus, L is the distance between the axis of rotation and the centre of the coil, l_o is the length

X

Card 1/2

80945
S/049/60/000/02/016/022.
E131/E459

An Application of Multi-Step Lowering of a Seismograph's Sensitivity
of the pendulum. The table, p 324, shows the values of
the above magnitudes for four different types of
seismographs. There are 1 figure, 1 table and 1 Soviet
reference.

ASSOCIATION: Akademiya nauk SSSR Institut fiziki Zemli
(Academy of Sciences USSR, Institute of Physics of the
Earth)

SUBMITTED: June 23, 1959

Card 2/2

S/049/60/000/03/014/019
E032/E614

AUTHOR: Frad, V.M.

TITLE: A Photoresistor Probe for Seismic Stations

PERIODICAL: Investiya Akademii nauk SSSR, Seriya geofizicheskaya, 1960, Nr 3,
pp 482-483 (USSR)

ABSTRACT: The probe has been developed to indicate changes in the equilibrium position of the pendulum of the type SVK seismograph. The device is shown diagrammatically in Figs 1 and 2. The probe consists of a RSK-1 photoresistor and a special illuminator. The latter consists of a brass tube 1.8 cm in diameter and 6.4 cm long. One end of the illuminator carries a square aperture (0.3 cm side) and the other carries the lamp (6.3 V, 0.28 A). The photoresistor and the illuminator are placed on the magnet of the seismograph so that the window of the illuminator faces the light-sensitive layer of the photoresistor. The distance from the illuminator to the photoresistor is 2 to 3 mm. A light aluminium plate (4 mm wide) is placed on the coil of the pendulum. When the pointer of the pendulum coincides with the zero of the scale, the window of the photoresistor is covered by the plate. When the pendulum is displaced in the upward or downward direction by 1 to 1.5 divisions, a part of the photo-sensitive layer is

Card 1/2

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413620003-2

FREMD, V.M.

Auxiliary equipment of seismic stations in the northern Tien Shan.
Izv. AN SSSR. Ser. geofiz. no. 5: 744-747 My '61. (MIRA 14:4)

1. Akademiya nauk SSSR, Institut fiziki Zemli.
(Alma-Ata--Seismology--Observatories)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413620003-2"

ARKHANGEL'SKIY, V.T.; KIRNOS, D.P.; MOSKVINA, A.G.; SOLOV'YEV, V.N.;
FEDOSEYENKO, N.Ye.; FREND, V.M.; SHEBALIN, N.V.; KIRNOS, D.P.,
doktor fiz.-mat. nauk, otv. red.; FREND, V.M., red.izd-va;
MAKOGONOVA, I.A., tekhn. red.; GOLUB', S., tekhn. red.

[Apparatus and observation methods at seismic stations of the
U.S.S.R.] Apparatura i metodika nabliudeniia na seismicheskikh
stantsiiakh SSSR. [By] V.T. Arkhangel'skii i dr. Moskva, Izd-vo
Akad. nauk SSSR, 1962. 166 p. (MIRA 15:4)

1. Akademiya nauk SSSR. Sovet po seismologii. 2. Institut fiziki
Zemli im. O.Yu. Shmidta Akademii nauk SSSR (for Arkhangel'skiy,
Kirnos, Moskvina, Solov'yev, Fedoseyenka, Frend, Shebalin).
(Seismometry)

S/049/62/000/005/001/003
D207/D308

AUTHOR: Fremd, V.M.

TITLE: Piezoelectric seismic receiver for strong movements

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Seriya geofizicheskaya, no. 5, 1962, 630 - 638

TEXT: The author gives the design calculations and reports on the construction of a piezoelectric seismometer intended for recording strong earthquakes with 0.001-2 g accelerations and movements of 0.5-20 c/s frequency. A 2kg sprung mass was placed on a piezoelectric transducer consisting of two BaTiO₃ disks 13mm in diameter and 2mm thick. The system had a natural frequency of 10³ c/s. One stage of an electrometer amplifier ЭМ9 - 3 (EMU-3), based on a 2Э2П (2E2P) electrometer tube and with an input impedance of 68 x 10⁹ ohm, was used as the preamplifier. The amplified signal was displayed with a ЭХО-1 (ENO-1) oscilloscope or was recorded magnetically. The amplifier and the oscilloscope were calibrated with a low-frequency generator ✓

Card 1/2

Piezoelectric seismic receiver ...

S/049/62/000/005/001/003
D207/D308

HTPK - 2 (NGPK-2). The complete instrument has a time constant of 80 sec. Tests on a vibrating platform showed a sensitivity of 2.2 mV/gal which was independent of the frequency between 1 and 30 c/s. The author thanks D.P. Kirnos for his advice, M.A. Zayonchkovskiy and E.I. Zelikman for taking part in the discussion of the results. There are 7 figures.

ASSOCIATION: Akademiya nauk SSSR, Institut fiziki Zemli (Institute of Physics of the Earth, Academy of Sciences, USSR)

SUBMITTED: November 13, 1961

Card 2/2

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413620003-2

FREMD, V.M.

Strong-motion piezoelectric accelerometer. Izv. AN SSSR.
Ser. geofiz. no. 5:630-638 My '62. (MIRA 15:8)

1. Institut fiziki Zemli AN SSSR. (Seismometers)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413620003-2"

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413620003-2

FREMD, V.M.

Apparatus with storage unit for recording heavy earthquakes.
Trudy Inst. fiz. Zem. no.26:62-71 '63. (MIRA 16:11)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413620003-2"

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413620003-2

Automatic apparatus with electrostatic memory for the visible
recording of strong earthquake. Truly Inst. fir. Zer. no. 34:
61-04. (Int.)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413620003-2"

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413620003-2

FRIED, V.H.

Piezoelectric technique of galvanometric recording. Trudy Inst.
fiz. Zem. no.35:71-81 '64. (MIRA 17:12)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413620003-2"

RIZNICHENKO, Yu.V., otv. red., FREID, V.M., red.

[Dynamics of the earth's crust] Dinamika zemnoi kory. Moscow, Nauka, 1965. 172 p. (MIRA 18:8)

1. Akademiya nauk SSSR. Sovet po seismologii. 2. Chленкорреспондент АН СССР (for Riznichenko).

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413620003-2

ZVFREV, S.M., kandi.geol.-miner. nauk, otv. red.; FOMD, V.M., red.

[Problems of the methodology of deep seismic sounding]
Voprosy metodiki glubinnogo seismicheskogo zondirovaniia.
Moskva, Nauka, 1965. 173 p. (MIKA 18:3)

1. Akademiya nauk SSSR. Institut fiziki Zemli.

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413620003-2"

I 5164-66 EXP. 11/19A(h) GW
ACC NR: AT6000085

SOURCE CODE: UR/2619/64/000/035/0061/0064

AUTHOR: Freud, V. M

33
B+1

ORG: Institute of Physics of the Earth im. O.Yu. Schmidt, AN SSSR (Institut fiziki zemli AN SSSR)

TITLE: Automatic apparatus with electrostatic memory and visual recording for registering strong earthquakes.

25

SOURCE: AN SSSR, Institut fiziki zemli. Trudy, no. 35, 1964, 61-64

TOPIC TERM: seismologic instrument, seismography, earthquake, oscillograph

12-44 55 12-44 55

ABSTRACT: The apparatus consists of three piezoelectric seismometers and an improved N-001 oscillograph, the improvements being an increased readout speed to 40 cps, a paper speed (with standard gears) of 0.4, 0.8, and 1.6 cm/sec, or 0.3 and 2.4 cm/sec (with an auxiliary pair of gears), and a memory readout time at these rates of 2.5-20 sec (schematic is given of principal design of amplifier). Orig. art. has: 4 figures, 1 table. FSB: v. 1, no. 5

SUB CODE: ES, EC / SUB DATE: none / ORIG REF: 011

Card 1/1 1/8

00010447

L 5165-66 EWT(1/EWA(h)) GW
ACC NR: AT6000088

SOURCE CODE: UR/2619/64/000/035/0071/0081

AUTHOR: Erem, V. N.

38

44,55

B+1

ORG: Institute of Physics of the Earth im. O.Yu. Shmidt, AN SSSR (Institut fiziki zemli AN SSSR)

TITLE: Piezoelectric method of galvanometric recording 44,55

SOURCE: AN SSSR. Institut fiziki zemli. Trudy, no. 35, 1964, 71-81

TOPIC TAGS: galvanometry, galvanometer, motion equation, earthquake, seismography, seismologic instrument 12,44,55

44,55,12

ABSTRACT: Formulas are developed for equations of motion describing the performance of a piezoelectric seismometer in conjunction with a magnetoelectric galvanometer. Tests of the apparatus with GB-III^b and GB-IV^b galvanometers showed that displacements, velocities, and acceleration can be recorded for strong and intermediate nearby earthquakes. The best prospects for using GB-IV galvanometers with natural frequencies of 600-1200 cps to record earthquakes of magnitudes of 8 or higher are considered to be offered by piezoelectric accelerographs (schematic for seismometer-galvanometer connection and principal schematic of device for recording various kinematic elements of motion with piezoelectric seismometers with various magnetoelectric galvanometers are shown). Orig. art. has: 7 figures, 1 table, 37 formulas. [FSB: v. 1, no. 5]

SUB CODE: EG, EE / SUBM DATE: none / ORIG REF: 005

Card 1/1 Rev.

220411

18.1141

30033

S/126/60/009/02/024/055

E073EE535

AUTHORS: Luzhinskaya, M.G., Fremderman, L.O. and Shur, Ya.S.

TITLE: On the Dependence of the Effect of Thermomagnetic Treatment on the Initial Properties of Permalloy /¹⁸

PERIODICAL: Fizika metallov i metallovedeniye, 1960, Vol 9, Nr 2,
pp 300 - 302 (USSR)

ABSTRACT: In earlier work (Ref 7) A.A. Lukshin and one of the authors studied the dependence of the effect of thermomagnetic treatment on the initial characteristics of ferromagnetic alloys for the case that differences in the initial properties are due to differing purities of the material or variations in its chemical composition. The work described in this paper is devoted to the study of the relation between the effect of thermomagnetic treatment and the degree of perfection of the crystal lattice, in cases in which there is no change in the chemical composition of the material. The investigations were effected on a 66 permalloy (66% Ni, rest Fe), a material which is highly sensitive to thermomagnetic treatment. The differing degrees of distortions of the crystal lattice were obtained by ✓

Card1/4

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S/126/60/009/02/024/033

E073/E335

On the Dependence of the Effect of Thermomagnetic Treatment on the
Initial Properties of Permalloy

cold drawing followed by heat treatment. Depending on the degree of preliminary deformation relaxation, partial or full recrystallization will take place, which leads to obtaining greatly differing magnetic properties (Ref 8). Specimens 150 x 5 x 0.1 mm were cut from cold-rolled strip, annealed in vacuo at 950 °C for one hour and drawn to gain residual elongations between 0 and 10%. Following that, all the specimens and also some in the as cold-rolled state were heated to 800 °C for two hours and then cooled with a speed of 100 °C/h. The H_c values for the specimen in this initial state are given in the fourth column of the table, p 301. These specimens were then subjected to thermomagnetic treatment consisting of heating to 700 °C and holding at that temperature for 50 min and cooling at the speed of 100 °C/h in a magnetic field of a potential of 300 Oe; the H_c values obtained

Card2/4 after this thermomagnetic treatment are entered in the *✓*

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On the Dependence of the Effect of Thermomagnetic Treatment on the Initial Properties of Permalloy

fifth column of the table. After this treatment the specimens were again held at 700 °C for 30 min and cooled at a speed of 100 °C/h without the magnetic field; the resulting H_c values are entered in the sixth column of the table and it can be seen that the values are in good agreement with those obtained for specimens in the initial state (column 4), which shows that the change in the coercive force gained by the thermomagnetic treatment was due solely to the effect of the magnetic field. In the last column of the table, the ratios of the H_c values, after cooling in the absence of the magnetic field, to those obtained after cooling in the presence of the magnetic field are given; the lower the H_c values in the initial state the greater was the effect of the thermomagnetic treatment. The obtained results lead to the conclusion that the effect of the thermomagnetic treatment depends on the state of the crystal lattice of a given alloy, the degree of perfection of which is associated ✓

Card 3/4

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On the Dependence of the Effect of Thermomagnetic Treatment on the
Initial Properties of Permalloy

with the conditions of preliminary heat treatment; the more perfect the crystal lattice of a material, the greater will be the influence of thermomagnetic treatment on its magnetic properties. It is likely that the process of ordering progresses to a greater extent in non-deformed material and becomes the less pronounced the greater the degree of deformation of the material. It is also possible that the magnetic texture which is produced by thermomagnetic treatment manifests itself differently, depending on the background of the lattice distortions, particularly depending on the differing background of non-uniform stresses which create sections which are locally uniaxial from the magnetic point of view.

There are 1 table and 8 references, 1 of which is French, 2 English and 5 Soviet.

ASSOCIATION: Institut fiziki metallov AN SSSR (Institute of Metal Physics of the Ac.Sc., USSR)

SUBMITTED: September 26, 1959

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Card 4/4

FREMEL', A.B.

Growth of crystals in vacuum apparatus (from "Gazeta Cukrownicza,"
No.3, 1961). Sakh. prom. 35 no.12:59-61 D '61. (MIRA 15:1)
(Vacuum apparatus)
(Sugar machinery)

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413620003-2

FREMEL', A.B.

Relationship between the yield of pulp and the saccharinity of
sugar beets. Sakh.prom. 35[i.e. 36] no.2:68 F '62.

(MIRA 15:4)

(Sugar beets)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413620003-2"

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413620003-2

FREMEL", A.B.

Composition and purification of sewage water of sugar beet processing factories (from "Zeitschrift fuer die Zuckerindustrie," no.8, 1961).
Sakh.prom. 36 no.4:68-69 Ap '62. (MIRA 15:5)
(Sewage--Purification) (Sugar manufacture)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413620003-2"

FREMEL', A.B.

Modern operation flow sheets for sugar refining factories (from
"Zeitschrift fuer die Zuckerindustrie," no.8, 1961). Sakh.prom.
36 no.5:74-78 My '62. (MIRA 15:5)
(Sugar manufacture)

FRETEL', A.B.

[Utilization of the wastes of beet-sugar manufacture]
Ispol'zovanie otkhodov sveklosakharnogo proizvodstva.
Moskva, TSentr. in-t nauchno-tekhn. informatsii pi-
shchevoi promyshl., 1963. 113 p. (MIRA 17:8)

PSHENITSYNA, V.P.; SHABADASH, A.N.; FREMEL', T.V.

Association phenomena in solutions of phenol formaldehyde novolak resins of orthoregular structure. Dokl. AN SSSR 153 no.3:650-652 N '63. (MIRA 17:1)

1. Nauchno-issledovatel'skiy institut plasticheskikh mass. Predstavлено академиком V.A. Karginym.

L 19815-65 EWT(m)/EWP(1) RM
ACC NR: AP6002485

SOURCE CODE: UR/0191/66/000/001/0057/0059

AUTHORS: Yermolina, A. V.; Abramova, I. M.; Yakovlev, V. P.; Frel'm, T. V.

ORG: none

TITLE: Microscopic methods for investigation of supramolecular structures of polymers in bulk

SOURCE: Plasticheskiye massy, no. 1, 1966, 57-59

TOPIC TAGS: polymer, polymer structure, microscope, microphotography, metal etching / MIM-8m metallographic microscope

ABSTRACT: Methods for microscopic investigation of supramolecular structure of polymers in bulk were investigated. The one described can be used in determining dimensions, geometry, and type of structural formations in polymers, and was employed by the authors in correlating the structure of polymers with their properties (A. V. Yermolina, G. P. Andre, A. A. Pechenkin, L. A. Igonin, V. N. Kotrelev, and M. S. Akutin. Plast. massy, No. 3, 43 (1965)). The supramolecular structure of the polymer is best disclosed by etching, a technique borrowed from metallography and based on the differences in solubility of crystalline and amorphous portions of a polymer. The surface of the polymer is ground with micropowder, hand polished with felt, and then treated with dilute etching solution for ~ 30 min until a clear morphological picture is obtained. The sample surface is then washed with water

UDC: 678.012.4:620.186

Card 1/2

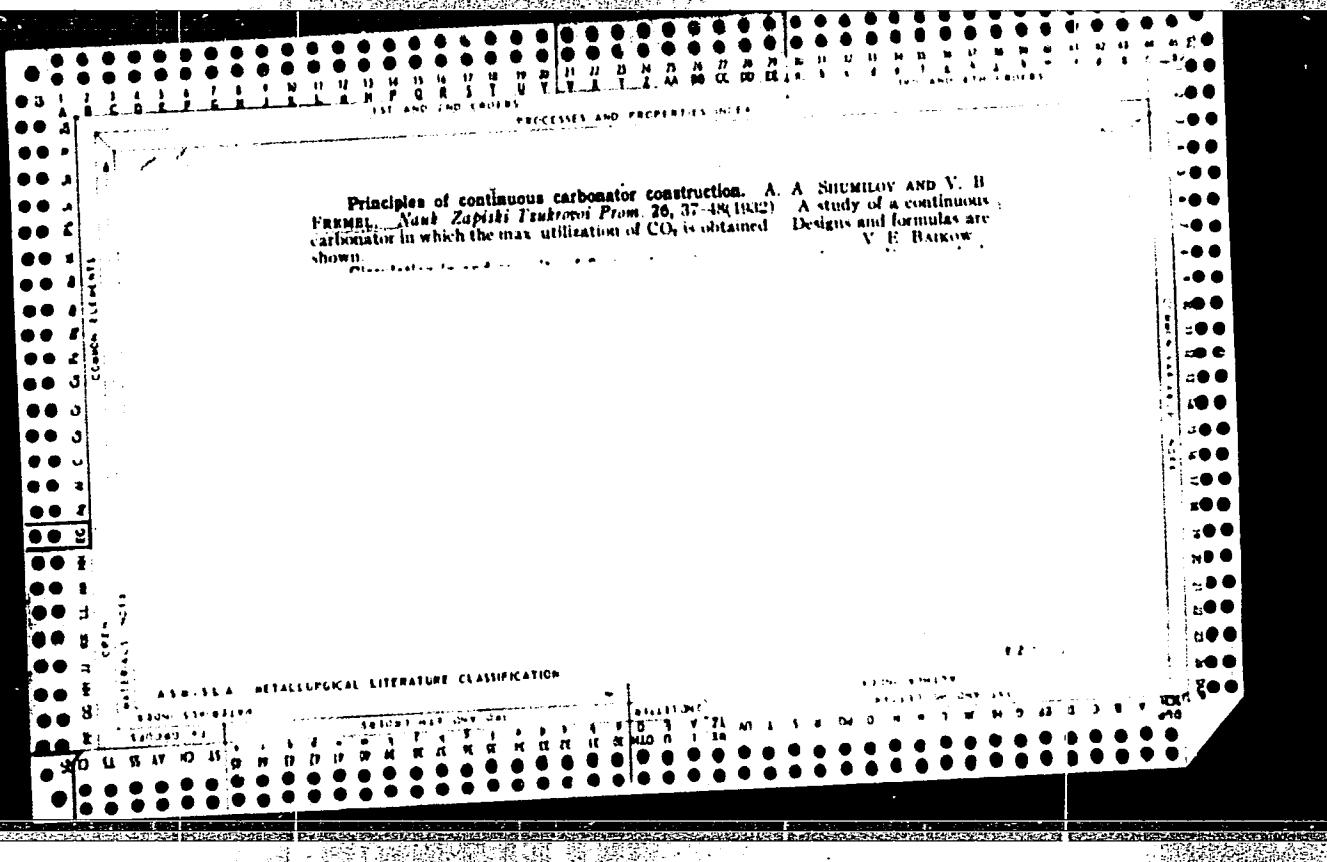
L 13815-66

ACC NR: AP6002485

for 2--3 min., and dried in high vacuum at room temperature. The investigation and registration of the morphological picture is performed with a metallographic microscope MIM-8M, in reflected light in the dark or light field, at a magnification of 300 to 1000. If the polymer is insoluble in the etching solvent at room temperature, etching may be performed in vapors of the solvent. In case of total insolubility, the surface for microscopic study is obtained by breaking an embrittled sample treated for an extended time with liquid nitrogen. Orig. art. has: 3 figures.

SUB CODE: 11,07 / SUBN DATE: none / ORIG REF: 004 / OTH REF: 002

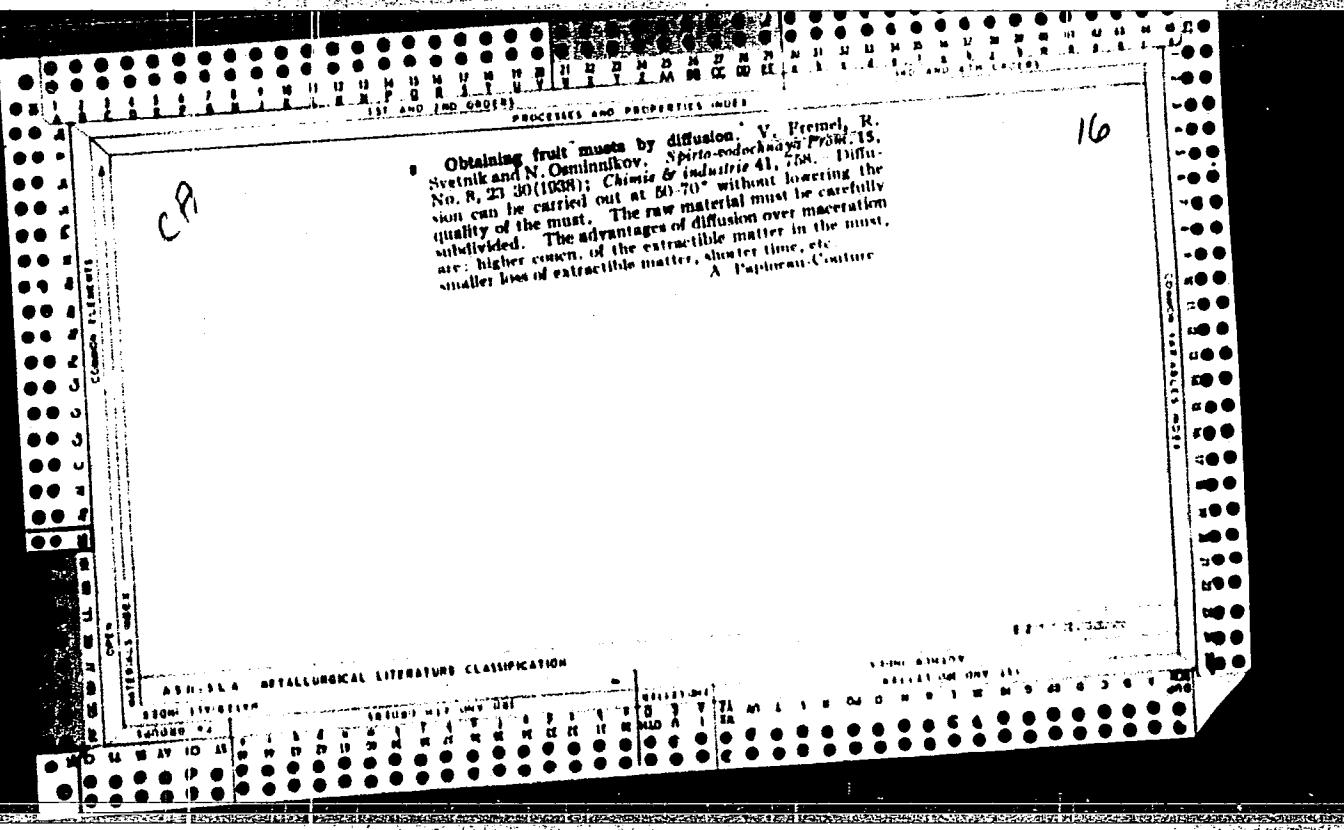
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Card 2/2

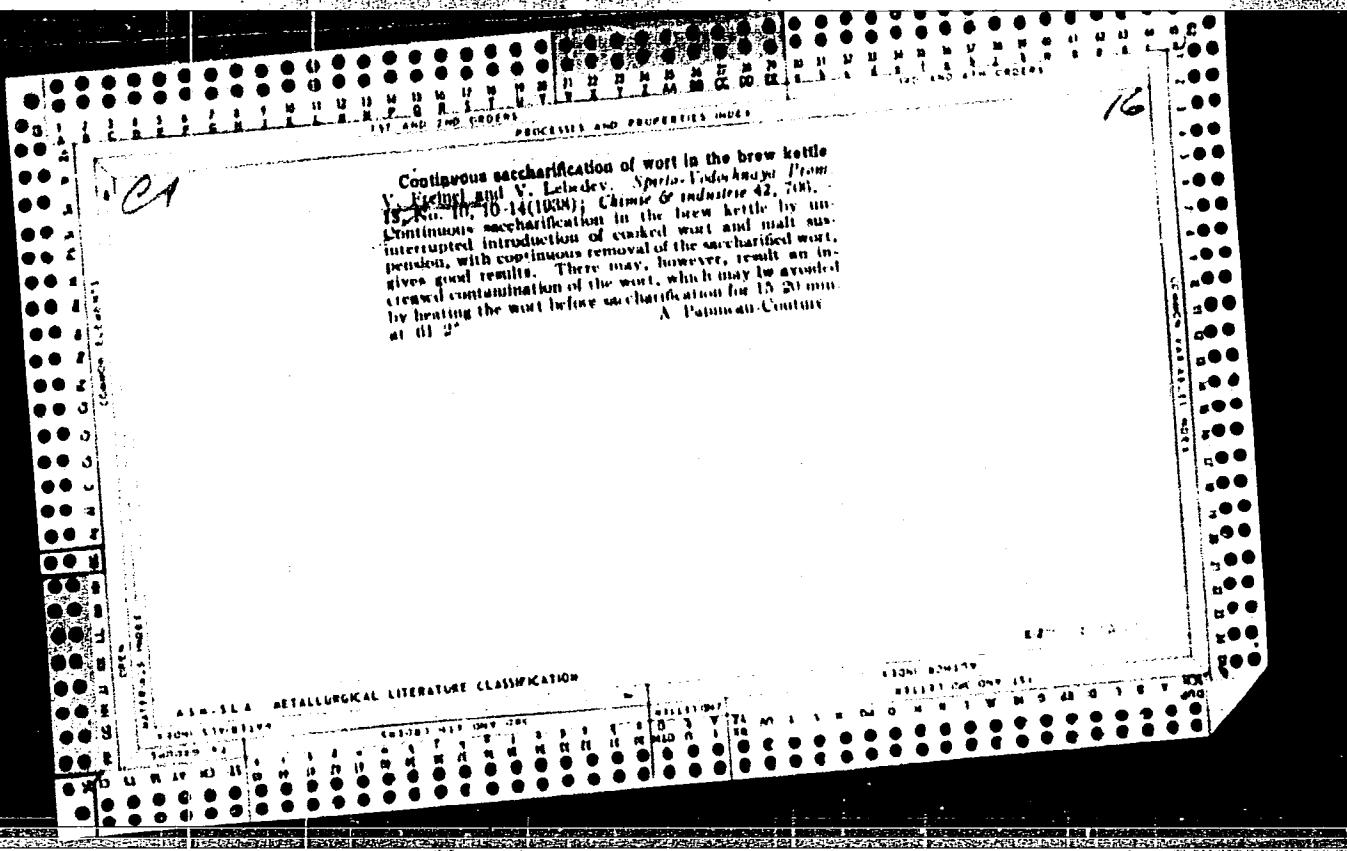


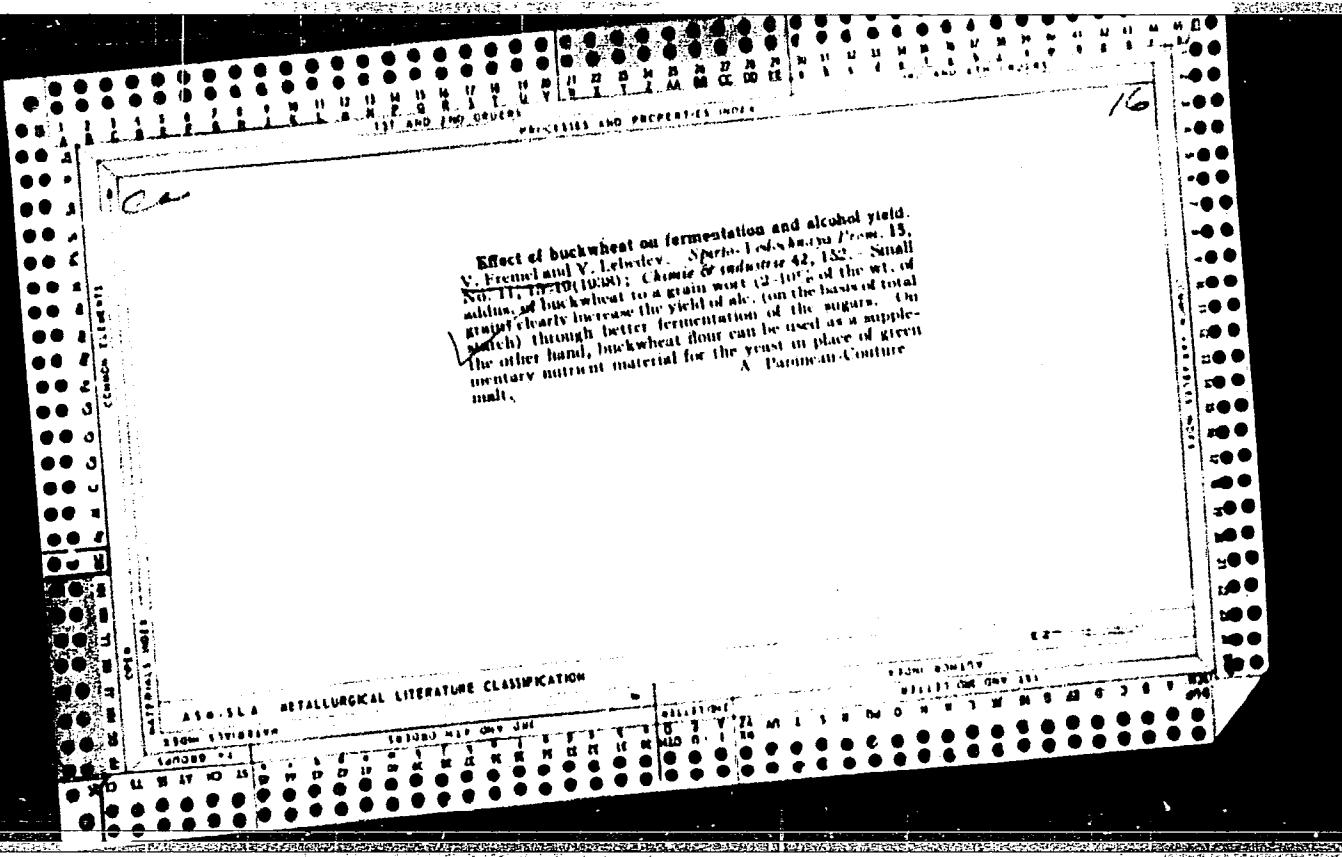
Continuous process for the cooling and saccharification of wort under reduced pressure. N. Billebs, S. Bryukhanova and V. Lebedev. *Soviet Invention No. 15, No. 4, N 101 (1988); Chemie & Industrie 40, 1977.* The continuous cooling process consists in passing unfermented hot wort through a space which is maintained at a lower pressure, corresponding to the final temperature required. Saccharification is effected simultaneously and to the same space.

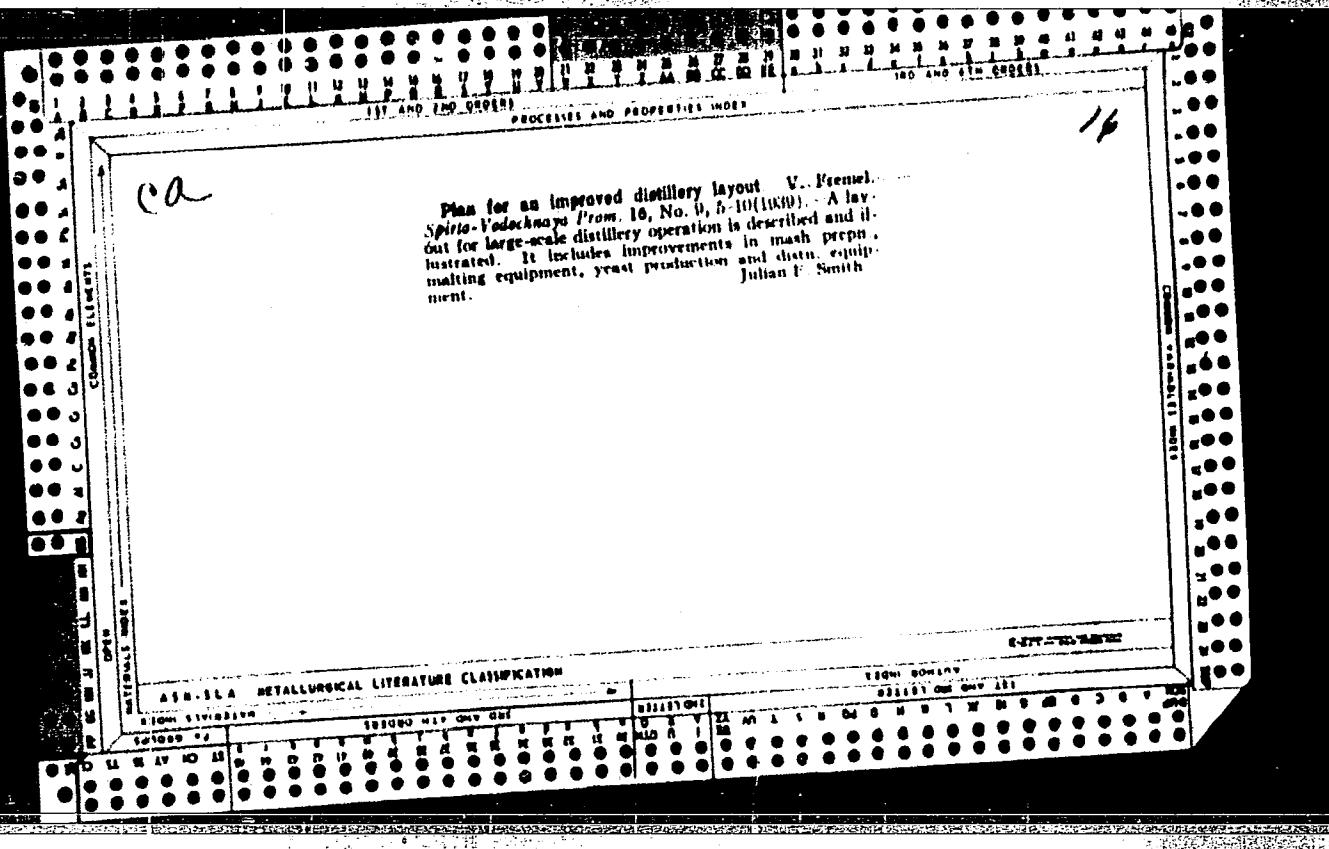
APPROVED FOR RELEASE: 06/13/2000

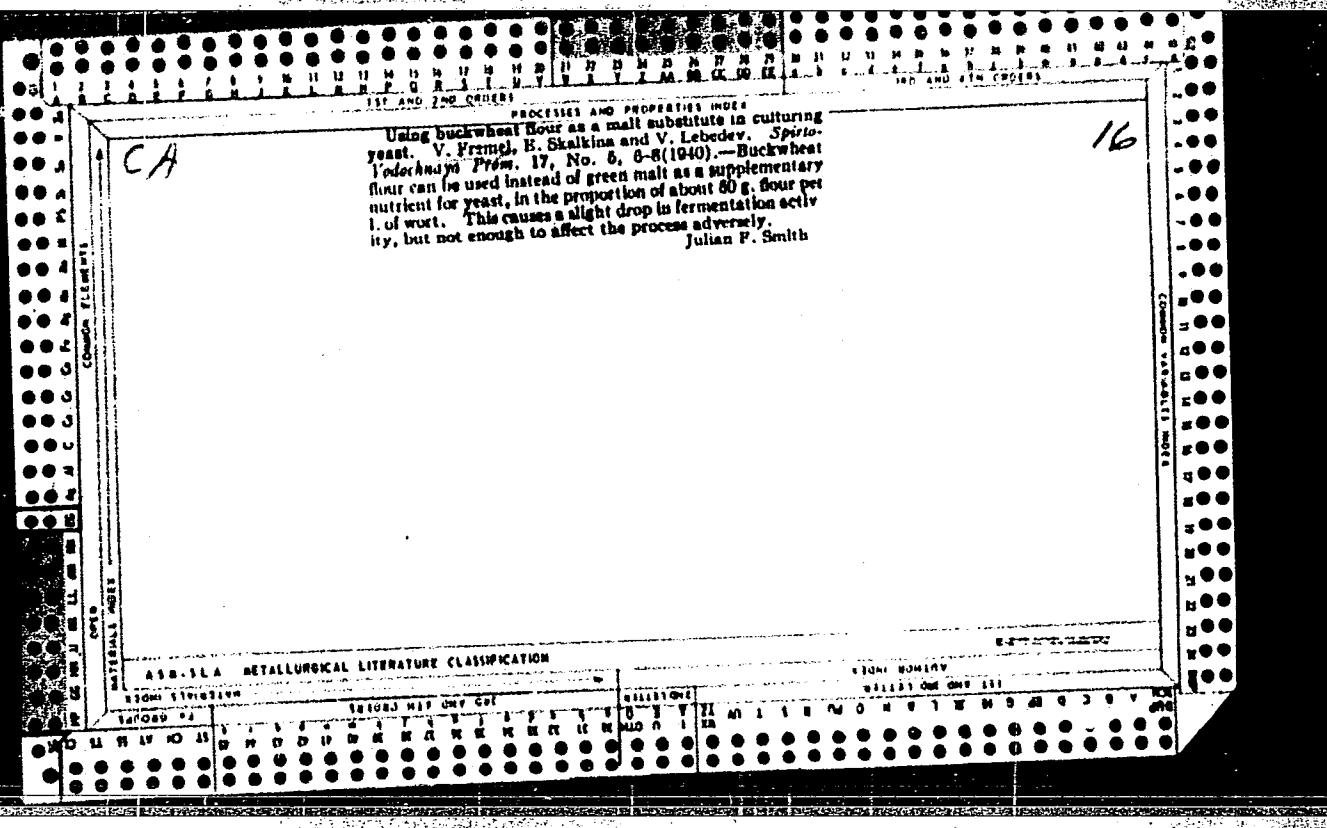
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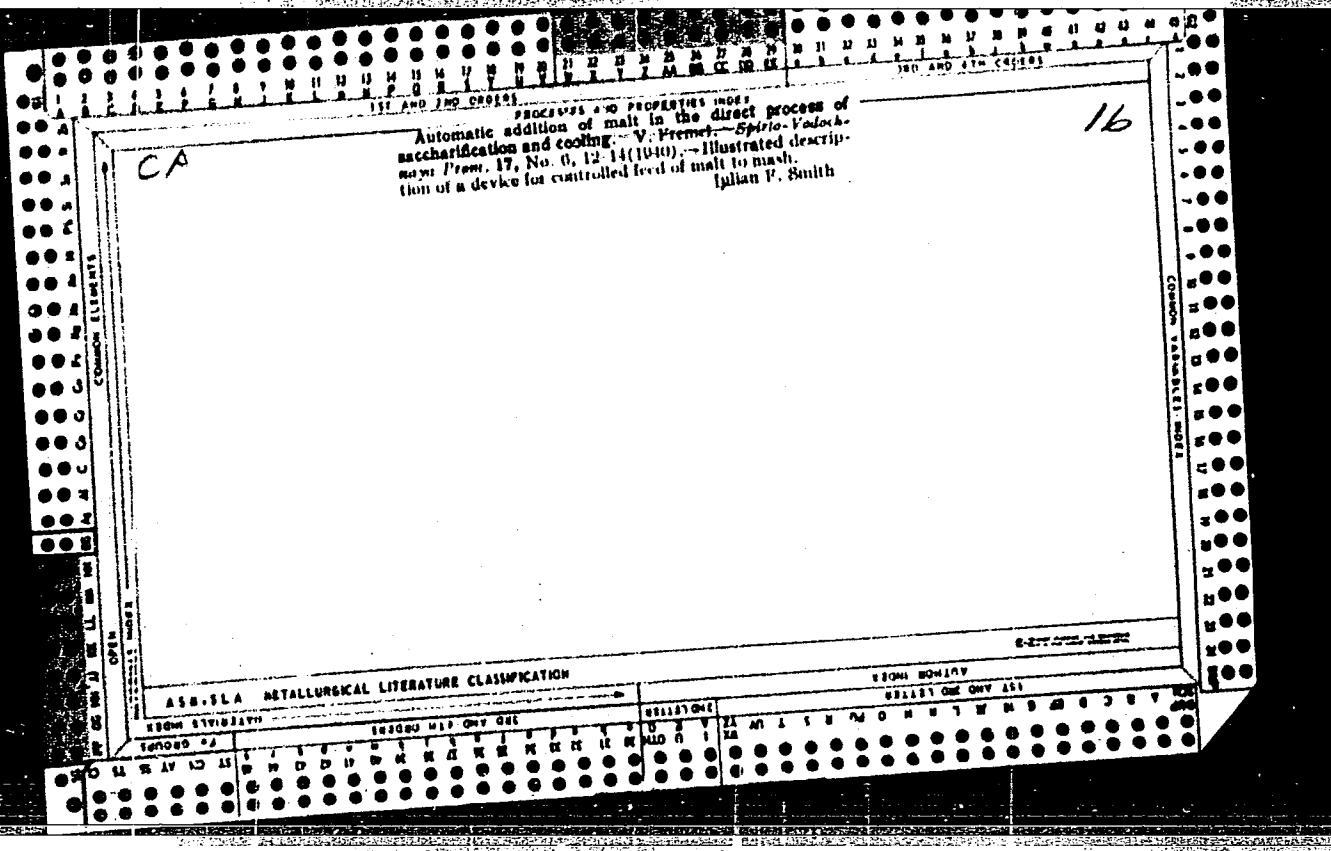


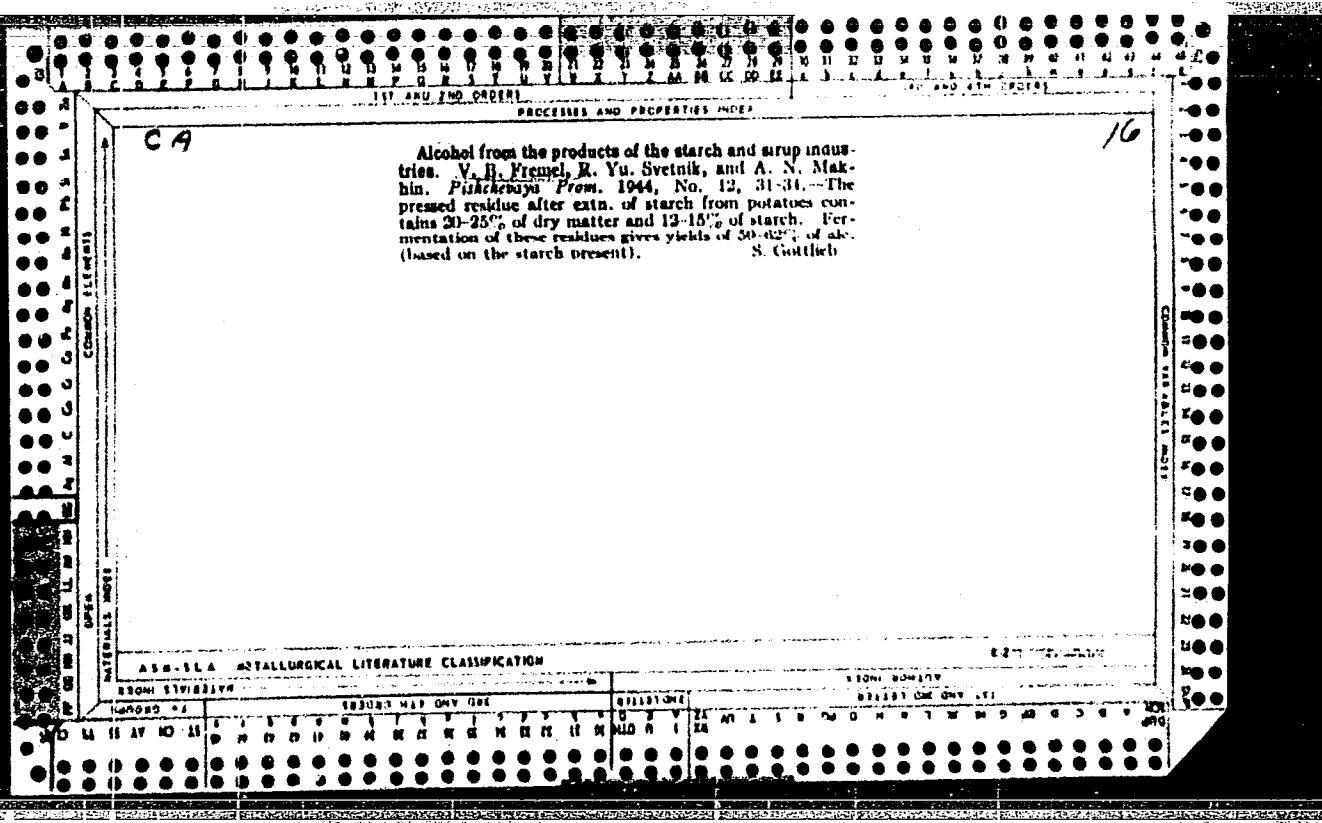


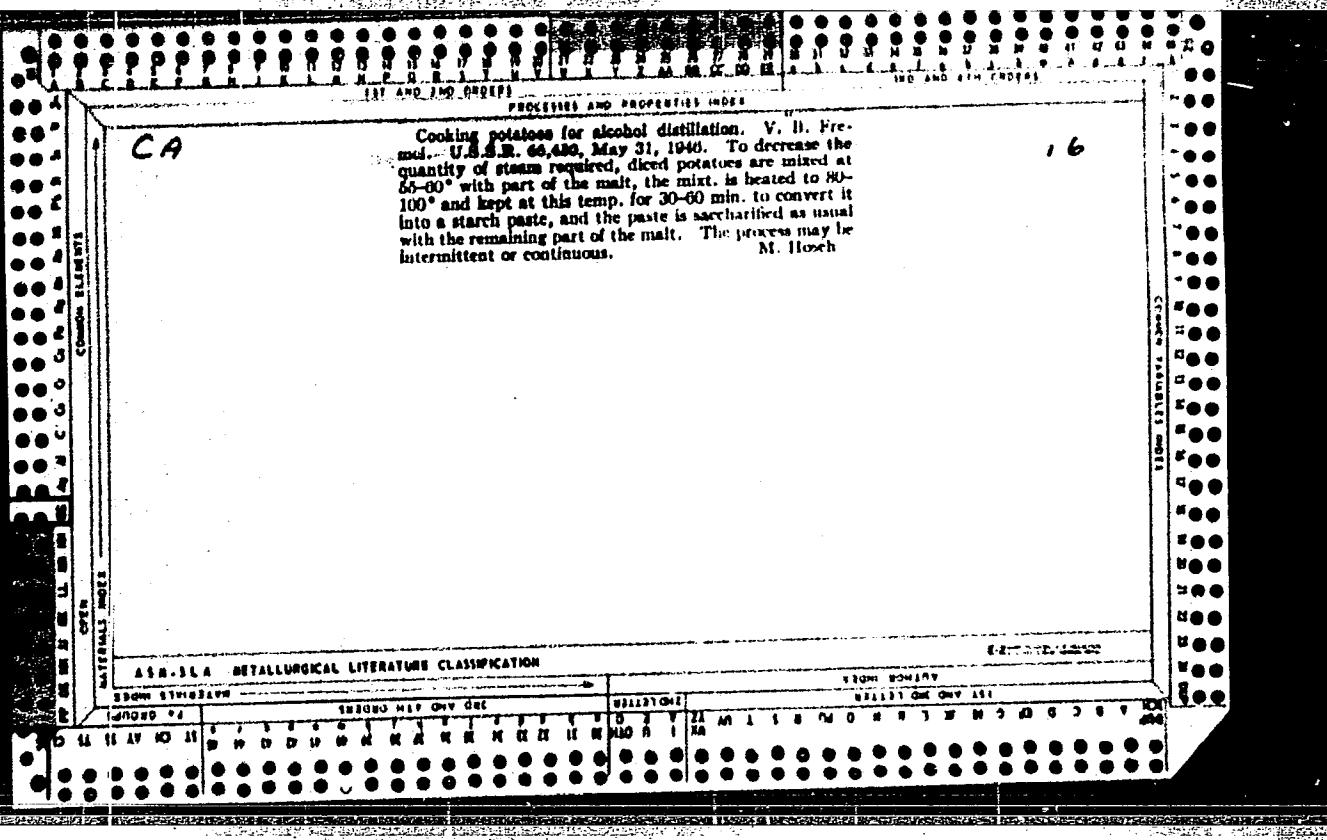


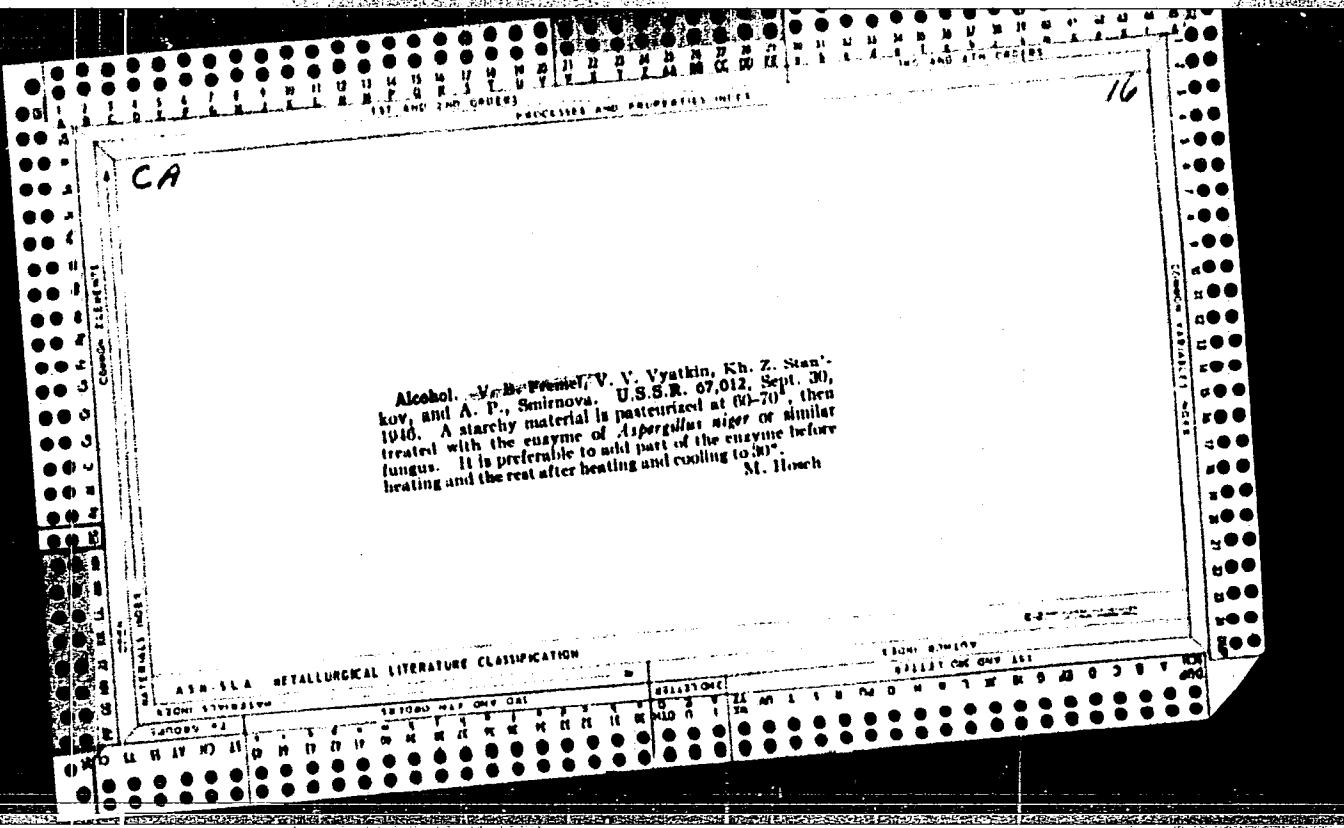


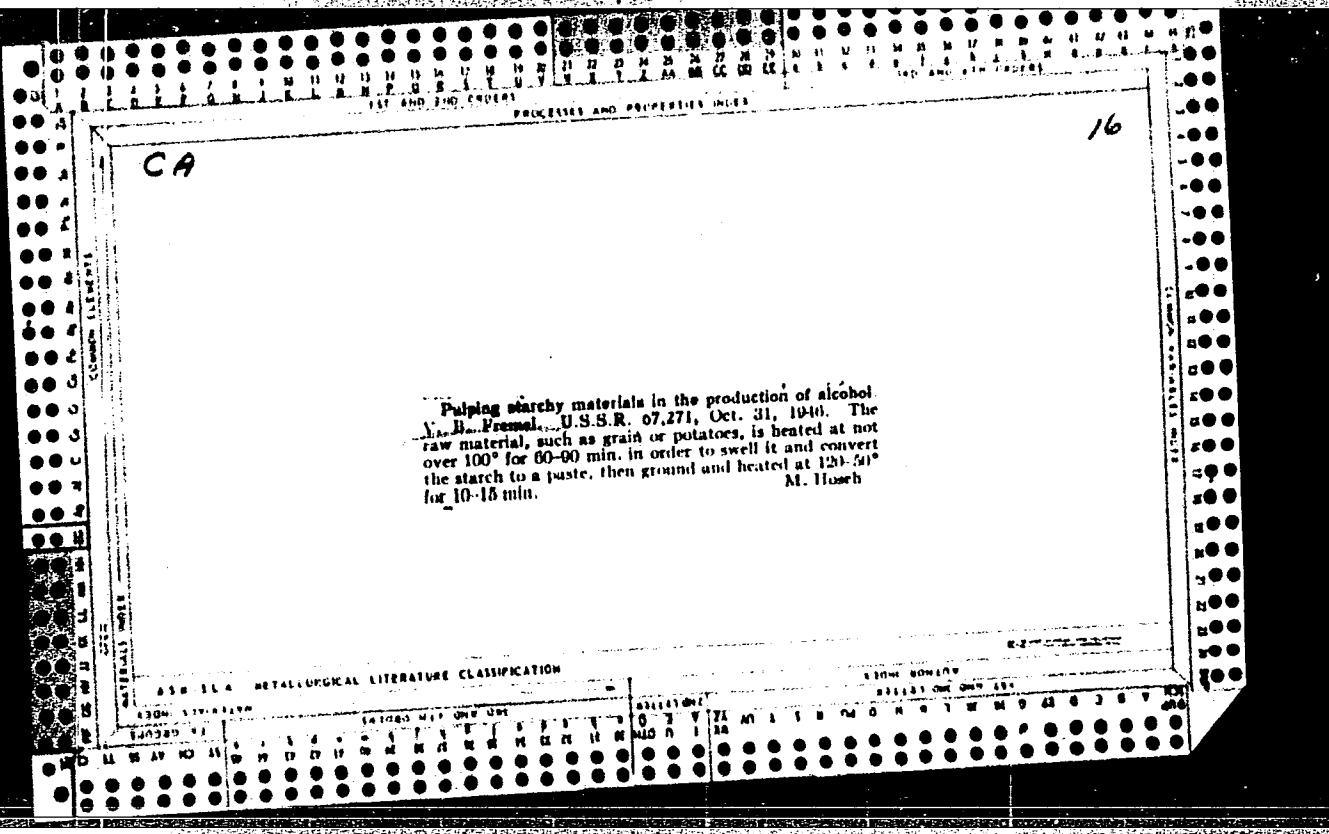












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Oil from vegetable oil-bearing raw material. A. L. Malchenko, V. B. Premel, V. V. Vyatkin, and I. S. Lagotkin. U.S.S.R. 68,433. May 31, 1947. To obtain oil from oil-bearing vegetable matter which is subjected to fermentation, e.g., in the production of ale, the oil is sepd. from the slops or vinasse. M. Huseh

FREMEL' V. B.

USSR/Chemical Technology. Chemical Products and Their Application -- Fermentation industry, I-27

Abst Journal: Referat Zhur - Khimiya, No 2, 1957, 6+78

Author: Fremel', V. B.

Institution: None

Title: To Attain Full Utilization of Vinasse

Original Publication: Spirt. prom-st', 1955, No 3, 4-5

Abstract: For a complete utilization of vinasse at alcohol plants the putting into effect of the following measures is required: provision of cattle fattening installations and the feeding of vinasse to collective farm herd; taking steps to ensure preservation (silaging) of vinasse during the period of spring and summer alcohol production, and revising the design of distillation equipment so as to increase the dry residue content of vinasse.

Card 1/1

FRETEL, V.B.

Continuous cooking of raw materials - *A Laboratory Study*, received from the Bureau of Agricultural Economics, U.S. Dept. of Agriculture, Washington, D.C., Sept. 1955, No. 5-3. This report contains descriptions of 3 continuous cooking systems which have been developed by well-established companies.

cooking temps. Breakdown of the structures of the starch should be done by mech. means. Reducing the time of cooking, diminishing the loss of starch, and reducing the loss of sugar for fermentation. May be the optimum temps. for cooking is needed.

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413620003-2"

U.S.A.R.

⁴ The yields of slops in alcohol plants ~~were~~ ^{are} extremely variable.

Western Journals

USSR/General Problems. Methodology. History. Scientific A
Institutions and Conferences. Instruction.
Questions Concerning Bibliography and Scien-
tific Documentation

Abs Jour : Ref Zhur-Khimiya, No 3, 1958, 5830
Author : V. E. Fremel' and V. L. Yarovenko
Inst : All-Union Scientific Research Institute of
Alcohol and Liqueur-Vodka Industry
Title : Work of All-Union Scientific Research Insti-
tute of Alcohol and Liqueur-Vodka Industry
Orig Pub : Spirt. prom-st', 1957,¹³ No 7, 18-24
Abstract : To the 40th anniversary of the Great October
Socialist Revolution.

Card 1/1

FREMEL', V.B.; SAVVINA, A.P.; MEUKH, N.S.; MARFINA, A.M.

Investigating the methods for separation of the solid fraction of
acetone-butyl waste. Trudy TSNIISP no.6:98-105 '58. (MIRA 14:12)
(Distilling industries--By-products)

FREMEL', V.B.; SAVVINA, A.P.; MEUKH, N.S.; MARFINA, A.M.

Using acetone-butyl waste instead of water in cooking. Trudy
TSNIISP no.6:106-111 '58. (MIRA 14:12)
(Acetone) (Butyl alcohol) (Fermentation)

FREMEL', V.B.; SVETNIK, R.Yu.; ALEKSANDROVA, M.M.

Determining the true fermented reducing substances in ripe beer.
Trudy TSMIISP no.7:37-47 '59. (MIRA 13:9)
(Fermentation)

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413620003-2

FREMEL', V. B., SAVVINA, A. P.; MEUKH, N. S.; MARFINA, A.M.

Use of acetone - butyl alcohol distilling washes in the manufacture of alcohol. Trudy TSMIISP no.7:69-75 '59. (MIRA 13:9)
(Alcohol)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413620003-2"

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413620003-2

FREMEL', V.B.; SAVVINA, A.P.; MEUKH, N.S.; MARFINA, A.M.

Use of acetone - butyl alcohol distilling washes for the cultivation of baker's yeasts. Trudy TSNIISP no.7:76-84 '59.

(MIRA 13:9)

(Yeast) (Alcohol)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413620003-2"

FREIMAN, V.B.

Basic problems of continuous cooking. Spirit.prom. 25 no.1:19-
23 '59. (MIRA 12:2)
(Distilling industries) (Alcohol)

FREIGEL', V.B.; VASIL'YEV, G.M.; MAKUKHINA, A.N.; MIRONOV, V.A.

Production of feed biomycin and vitamin B₁₂ in alcohol
plants. Spirt.prom. 26 no.4:8-10 '60.
(MIRA 13:8)
(Biomycin) (Cyanocobalamin)

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413620003-2

FREMEL', V.B.; LOSYAKOVA, L.S.; SHISHKOVA, E.A.

Enrichment of spent grain wash with ammonium lactate. Spirt.prom.
26 no.8:25-28 '60. (MIRA 13:11)
(Distilling industries--By-products)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413620003-2"

FREMEL', V.B.; VASIL'YEV, G.M.; MAKUKHINA, A.N.; MIRONOV, V.A.; SHISHKVA,
E.A.

Utilization of distilling washes from alcohol and acetone-butyl
alcohol plants in the production of feed antibiotics. Spirt.-
prom. 28 no.2:26-27 '62. (MIRA 15:3)

1. TSentral'nyy nauchno-issledovatel'skiy institut spirtovoy
promyshlennosti.
(Distilling industries--By-products) (Antibiotics)

FREMEL', V. B.; LOSYAKOVA, L. S.; USTINNIKOVA, Yu. N.

Use of flour and distilling wash concentrate for the production
of feed terramycin. Spirt. prom. 28 no.8:25-26 '62.
(MIRA 16:1)

1. TSentral'nyy nauchno-issledovatel'skiy institut spirtovoy
promyshlennosti.

(Oxytetracycline)

EREMEL', Valerian Borisovich; ASHKINUZI, Z.K., retsenzent;
KOVALEVSKAYA, A.I., red.; ZARSHCHIKOVA, L.N., tekhn. red.

[Production of feed biomycin in distilleries] Proizvodstvo
kormovogo biomitsina na spiritovykh zavodakh. Moskva, Pi-
shchepromizdat, 1963. 247 p. (MIRA 16:7)
(Distilling industries--By-products)
(Chlortetracycline) (Feeds)

FREMEL', V.B.

Technological characteristics of the production of feed terramycin.
Spirt.prom. 29 no.5:9-11 '63. (MIRA 17:2)

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FREMEL', V.B.; SHISHKOVA, E.A.; KISELEVA, S.A.

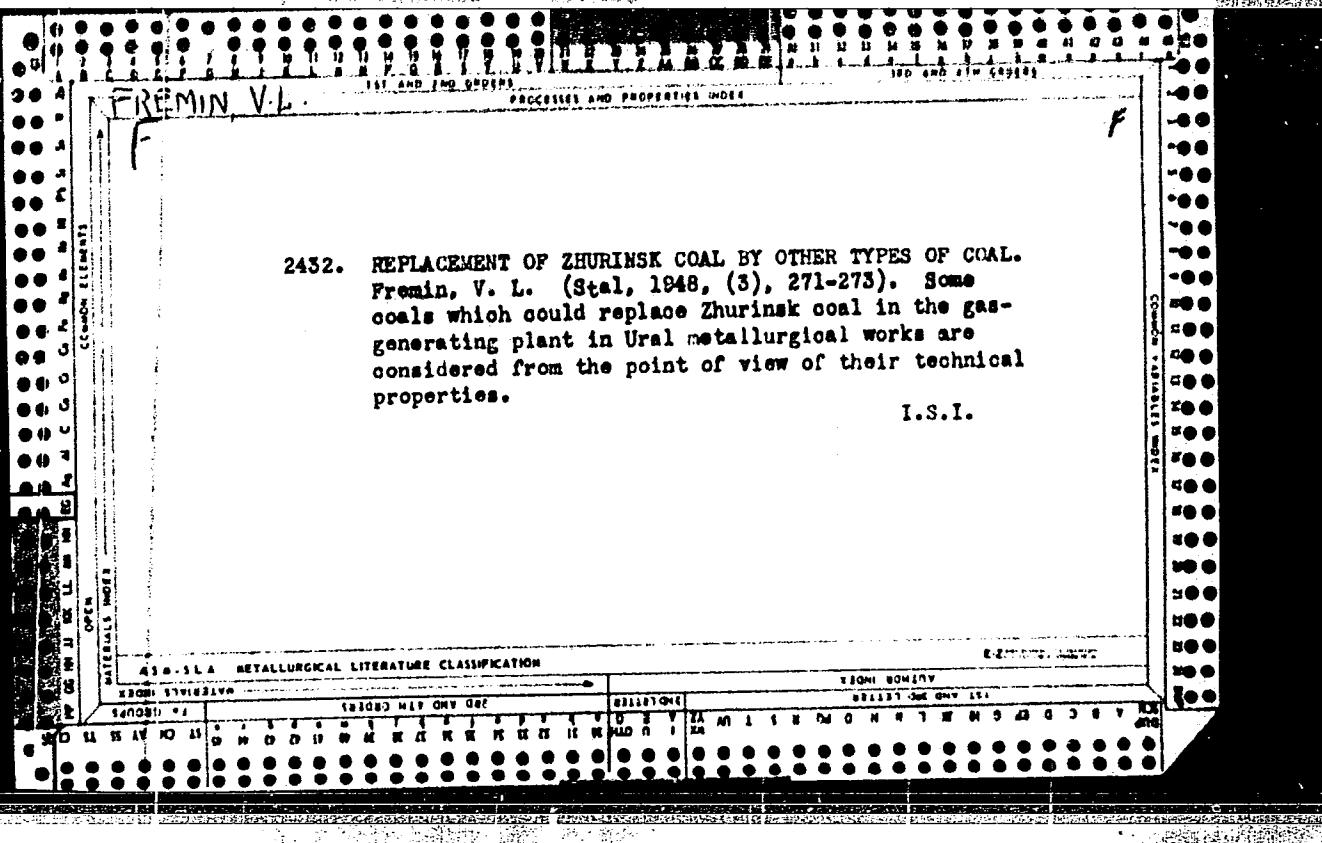
Ways to increase the yield of antibiotics. Ferm. i spirt. prom.
30 no.1:27-29 '64. (MIRA 17:11)

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spirtovoy promyshlennosti.

MAKOKINA, A.N.; KORGANOVA, N.N.; FRENCH, W.H., prof., r.d.schmidt f.raboty

Effect of repeated addition of the culture medium on the activity
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(Groups, Theory of)

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Iz. Ak. Nauk. SSSR Otdel. Tekh. Nauk.

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DLC: TK275.F74

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deyatel' nauki i tekhniki; IVANOV, V.I., professor, doktor
tekhnicheskikh nauk; FREMIT, A.V., doktor tekhnicheskikh nauk;
RAZUMOVSKIY, N.N., doktor tekhnicheskikh nauk; DMITRIYEV, A.N.,
dotsent, kandidat tekhnicheskikh nauk; NORNEVSKIY, B.I., dotsent,
kandidat tekhnicheskikh nauk; BASHARIN, A.V., dotsent, kandidat
tekhnicheskikh nauk; MANOYLOV, V.Ye., dotsent, kandidat tekhnicheskikh nauk;
RYZHOV, P.I., dotsent, kandidat tekhnicheskikh nauk;
KEPPERMANN, A.G., kandidat tekhnicheskikh nauk; BARYSHNIKOV, V.D.,
kandidat tekhnicheskikh nauk

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in the fifth five-year plan". Avtom. i telem. 15 no.1:78-79 Ja-F
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Lenina.

(Automatic control) (Remote control)

FREMKE Andrey Vladimirovich

BAYDA, Leonid Il'ich; BOBROTVORSKIY, Nikolay Stepanovich; ORESHANSKIY,
Dmitriy L'vovich; PCHELIISKAYA, Sof'ya Nikodimovna; RAZUMOVSKIY,
Nikolay Nikolayevich; SVIRESKIY, Yevgeniy Antonovich, [deceased];
FREMKE, Andrey Vladimirovich, professor, doktor tekhnicheskikh
nauk; KAZAKHOVSKIY, D.M., redaktor; ZABRODINA, A.A., tekhniches-
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(MIRA 7:12)

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Abs

W-31148, 7 Feb 55

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CIA-RDP86-00513R000413620003-2"

ISMAILOV, Sh.Yu., (Leningrad); Fremke, A.V., (Leningrad).

The wattmeter with barrier-layer converters for telemetering
electric power. Avtom.i telem. 17 no.11:1038-1040 N '56.
(Wattmeter) (Telemetering) (MLRA 9:12)